CLAIMS

1. A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

accessing a database of structured data, the structured data comprising a set of data tuples;

accessing a source of unstructured data, the unstructured data including free text relatable to the data tuples of the structured data;

extracting relational facts from the free text;

producing a set of construed data, each construed datum containing at least one relational fact, each construed datum being further relatable to a data tuple of the structured data; and

integrating the produced data with the data tuples of the structured data.

2. A computer program product according to claim 1, wherein said accessing a source of unstructured data accesses unstructured data contained within the database of structured data.

3. A computer program product according to claim 1, wherein said accessing a source of unstructured data and said accessing a database of structured data access two separate data sources.

4. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of applying caseframes while performing said interpreting the free text.

5. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.

6. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of inserting the produced data into the database of structured data while performing said integrating the produced data.

7. A computer program product according to claim 1, wherein said instructions are further executable to perform the function of creating a new database while performing said integrating the produced data.

8. A computer program product according to claim 7, wherein the instructions are further executable to produce a new relational database containing the integrated data produced by said integrating.

9. A computer program product according to claim 8, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.

10. A computer program product according to claim 9, wherein the instructions are further executable to produce a file having a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

11. A computer system including a computer program product according to claim 1, further comprising:

a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and

an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.

12. A computer program product according to claim 1, wherein said instructions are further executable to combine like attributes for the extracted relational fact types produced in performing said extracting relational facts from the free text.

13. A computer program product according to claim 1, wherein said instructions are further executable to combine like relational fact types for the extracted relational facts produced in performing said extracting relational facts from the free text.

14. A computer program product according to claim 1, wherein said instructions provide relationships with domain roles applied in performing said extracting relational facts from the free

text.

15. A computer program product according to claim 1, wherein said instructions store the relational facts produced in performing said extracting relational facts from the free text.

16. A computer program product according to claim 1, wherein the extracted relational facts produced in performing said extracting relational facts and the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text.

17. A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

accessing a database of structured data, the structured data comprising a set of data tuples;

accessing a source of unstructured data, the unstructured data including free text relatable to the data tuples of the structured data;

extracting relational facts from the free text;

producing a set of construed data reflecting at least one relational fact conveyed in free text, each construed datum containing at least one relational fact, each construed datum being further relatable to a data tuple of the structured data;

integrating the produced data with the data tuples of the structured data, said integrating retaining reference information to the original free text; and

constructing a library containing extracted attributes.

18. A method for integrating mixed format data, comprising the steps of:

accessing a database of structured data, the structured data comprising a set of data tuples;

accessing a source of unstructured data, the unstructured data including free text relatable to the data tuples of the structured data;

extracting relational facts from the free text;

producing a set of construed data reflecting at least one relational fact conveyed in free text, each construed datum containing at least one relational fact, each construed datum being further

relatable to a data tuple of the structured data; and

integrating the produced data with the data tuples of the structured data.

19. A method according to claim 18, wherein said accessing a source of unstructured data accesses unstructured data contained within the database of structured data.

20. A method according to claim 18, wherein said accessing a source of unstructured data and said accessing a database of structured data access two separate data sources.

21. A method according to claim 18, wherein said performing said interpreting the free text applies caseframes.

22. A method according to claim 18, further comprising the step of producing a new database containing the integrated data produced by said integrating.

23. A method according to claim 18, further comprising the step of inserting the produced data into the database of structured data.

24. A method according to claim 18, further comprising the step of creating a new database.

25. A method according to claim 24, wherein the new database is a relational database.

26. A method according to claim 24, wherein new database includes at least one file containing the integrated data produced by said integrating.

27. A method according to claim 26, wherein the new database has a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

28. A method according to claim 18, further comprising the step of combining like attributes for the extracted relational facts produced in performing said extracting relational facts from the free text.

29. A method according to claim 18, further comprising the step of combining like relation types for the extracted relational facts produced in performing said extracting relational facts from the free text.

30. A method according to claim 18, wherein domain roles are applied in said step of extracting relational facts from the free text.

31. A method according to claim 18, further comprising the step of storing the relational facts produced in performing said extracting relational facts from the free text.

32. A method according to claim 18, wherein the extracted relational facts produced in performing said extracting relational facts and the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text.